52

	Comp. Star.	6	10	11	12	13	14	15	91	17	81	61	20	21	22	23	24	25	92	27	5 8
1889.)	•	້ະ.	2.2	6.6	3.7													-			
	Red. to App. Place.	+ 12.5	+ 13	+ 17	+	+	+ 14	7 I +	7 I +	+	7 I +	+	+	+	+	+	+ 15	+ 15	+ 15	+	+
		08.0+	+ 0.80	94.0+	+0.13	+0.68	+0.24	+0.27	+0.27	+0.21	+0.45	+0.41	+0.30	+0.56	+0.50	+0.16	+0.15	+0.16	80.0+	80.0-	80.0 -
	$\begin{matrix} \text{Log.} \\ (p \times \Delta) \end{matrix}$	8/69.0	0.7278	0.7194	914.0	0.1226	0.6181	0.6591	0.6281	0.6820	0.6014	0.6465	0.6488	0.5717	0.5433	0.6146	9.09.0	0.7845	0.2868	0.6216	0.6290
	Comet's App. Dec.	+24 31 30"6	+24 57 49.2	+25 45 8.2	+27 26 27.4	+ 28 0 40.6	+29 53 53.9	+30 6 28.5	+30 17 34.6	6.I I IE+	+31 29 42.5	+32 13 33'I	+32 37 15.8	+33 41 25.1	+33 54 41.5	+34 21 I.7	+34 27 12.7	+34 40 29.5	+34 58 26.7	+36 57 44.8	+37 4 14.3
son's, July 19,	$\underset{(p\times\Delta)}{\text{Log.}}$	6.2103	6.2630	8.2628	8845.6	6.2 601	9.4844	9.5529	9.5131	6.2886	9.4978	9.2456	9.5804	6.2080	6.4662	9.5743	1695.6	9.6426	6.5567	6.6173	9.6231
Comet IV. 1889 (Davidson's, July 19, 1889.)	Comet's App. R.A.	16 11 47.06	16 14 11.55	16 18 44.04	16 29 30.49	16 33 38.72	06.41 64 91	16 51 17.04	16 53 9.59	17 o 49.74	17 6 23.44	61.12 53.16	17 21 34.42	17 38 36.62	17 42 25.72	17 50 15.52	17 52 12.76	17 56 20.89	18 2 2.42	18 40 45.42	18 42 53.00
et IV.	No. of Comps.	8-8	7-7		I-I	9-9	8-8	8-8	8-8	8-8	8-8	6-6	6-6	8-8	7-7	7-7	8-8	9-9	1-1	3-3	9-9
Com	Star. Að	- 'I 53'4	+ 5 26.1	- 2 0.8	+ 2 45.0	- 5 28.9	9.4 9 -	r.	0	- 9 30.2	9.22.8 +	7	+ 0 27.5	- 5 55.3	0.61 5 -	+ 6 54.0	2.9 0 -	+ 9 10.4	0	+ 6 35.6	- 3 14.6
	Comet—Sta	n s + 0 28∙58	-I 23.48	+ 1 18.93	-2 28.50	60.12 2+	+2 58.28	+1 21.84	01.17 1-	-I 49.83	+2 36.03	-2 2.61	98.45 0-	-3 29.83	+3 4.12	+1 59.49	+1 30.78	-3 42.18	+3 19.73	+1 47.20	-0 54.52
	Greenwich Mean Time.	h m d	9 54 41	0 47 48	0 50 32	9 59 12	2 2	8 50 58	8 19	9 12 26	7 52 12	8 33 11	8 32 43	7 17 17	6 50 49	7 48 56	7 42 5	0 17 01	7 20 33	7 29 12	7 33 43
	Date.	1889. Ang. 20	30	Sept. 1		×	91	17	81	22	2 7	, 6	Oct. 3		14	18	Ιđ	, 23 12	24	Nov. 12	13

Mr. Plummer, Observations of Comets

September 6.—Comet faint in bright moonlight; interrupted by clouds.
September 8.—Comet faint in bright moonlight.
September 3.—Observation not quite satisfactory. Comet too faint in the moonlight.
September 30; October 12.—The R.A. comparisons of this comet are generally difficult to make owing to the elongated form of the nucleus in the direction of the parallel of declination. The individual results, therefore, do not run quite smoothly. The declinations are October 18.—Comet faint, sky hazy. November 13.—Comet faint, observation very doubtful October 3.—Comet faint in moonlight. November 12.—Comet faint, invisible after moonrise. better.

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Remarks.

	Comp. Star.	56	30	31	31	31	31	31	35	35	33	33	34	35	36	37	37	38	39	9	
Comet V. 1889 (Brooks's, July 6, 1889.)	App.	+12.1	+15.3	+15.8	+ 12.8	+12.8	+15.8	+ 12.8	+ 15.8	+12.8	+ 15.8	+ 15.8	+15.4	+ 15.2	+15.4	+15.4	+15.3	+15.3	+12.5	+15.1	
	Red. to App. Place.	+ 2.19	+ 2.55	+ 2.40	+2.41	+2.45	+2.43	+2.44	+2.45	+2.42	+ 2.46	+2.47	+2.47	+ 5.44	+ 2.43	+2.41	+ 2.40	+ 2.36	+5.36	+2.34	
	$\begin{array}{c} \text{Lóg.} \\ (p \times \Delta). \end{array}$	0.8670	9998.0	0.8618	0.8658	0.8629	60/8.0	0.8686	9698.0	0.8633	0.8672	0.8688	0.8665	0.8611	0.8635	0.8625	0.8602	0.8599	0.8582	0.8564	
	Comet's App. Dec.	- 5 54 43"6	- 5 51 7'o	- 5 32 34.0	- 5 3ı 6·6	- 5 29 29.3	- 5 26 3.4	- 5 22 41.2	7.2 12 5 -	- 5 16 53.8	- 5 5 2.6	- 5 I 54'I	- 4 56 2.0	- 4 14 48.0	- 4 0 4.9	- 3 50 15.5	- 3 38 46.8	- 3 21 51.3	- 3 3 19.5	- 2 43 56.6	į
	$\begin{matrix} \text{Log.} \\ (p \times \Delta). \end{matrix}$	0.3341	-9.3348	- 9.4220	- 6.3506	-9.3972	8.2361	-9.1327	-8.9466	-6.3680	-9.1271	8.4661	6.1262	- 6.3000	8.6644	-8.8579	9.1694	8.9644	1646.8	8.9970	••
	Comet's App. R.A.	h m s 0 6 8·07	0 5 0.40	23 56 51.81		23 55 34.32	23 54 11.18	23 52 55.88	23 52 16.31	23 51 1'94	23 47 57.12	23 47 20.06	23 46 12.75	23 41 41.83	23 40 56.68	23 40 36.77	23 40 22.18	23 40 15.49	23 40 25.46	23 40 51.55	Remarks
	No. of Comps.	9-9	1-1	8-7	8-8	8-8	8-8	1-1	2-2	8-8	8-8	8-8	8-8	8-8	5-5	6-6	8-8	8-8	6-6	4-4	
	۵δ.	+ 3.5		1.21 0 -	+ 1 15.3	+ 2 52.6	+ 6 18.4	9.04 6 +	- 4 9'I		- 2 46.2	+ 0 22.3	- I 36.5	2.61 0 +	- 4 41.5	3 4.2	+ 8 24.6	+ 0 36.5	+ 0 40.7	+ 1 31.0	
	Comet—Star. Δα.	m 8 + 1 27.91	$-2\ 33.71$	+1 30.55	86.05 0+	+0 13.05	11.01 1-	-2 25.42	+2 47.53	+1 33.15	+2 22.06	+ 1 44.69	-0 49.49	-1 24.71	+3 0.63	+1 43.68	+1 29.10	-2 I.08		71. 8.24	
	Greenwich Mean Time.	h m s	10 50 3	0 2 46	9 43 27	9 6 32	11 59 48	10 12 57	10 39 28	8 47 51	9 37 38	11 17 15	12 15 41	7 49 59	10 18 43	8 55 57	11 8 40	10 19 53	91 OI OI	10 1 36	
	Date.	1889. Aug. 20	Sept. 1	91	17	· &I	20	5	23	, 2	, ç	0ct. 1	CF.	14	. 41	, oi	, 12	27	. 73	. os	

September 25.—Comet not quite so well seen as previously; the reason of this is not apparent. Sky clear. October 30.—Windy, clock difficult to hear.

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